

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Appl. No.: 10/767,451
Amdt. dated 17 May 2004

Amendments to the Claims:

Claims 1- 20 (Canceled).

Claim 21 (New) A method of effectuating a data service in a communication system from an originating station to a terminating endpoint, said method comprising:

receiving a request for said data service with an intended receiving station;

associating a service delivery mode with said data service; and

routing said data service to a terminating endpoint based on said service delivery mode.

Claim 22 (New) The method as recited in Claim 21 wherein said terminating endpoint is selected from the group consisting of:

a intended receiving station,

a terminating station, and

a store and forward location.

Claim 23 (New) The method as recited in Claim 21 wherein said service delivery mode is selected from the group consisting of:

a background service delivery mode,

a diagnostic service delivery mode,

a maintenance service delivery mode, and

Appl. No.: 10/767,451
Amdt. dated 17 May 2004

a foreground service delivery mode.

Claim 24 (New) The method as recited in Claim 21 wherein said terminating endpoint is said intended receiving station if said service delivery mode is a background service delivery mode, a diagnostic service delivery mode, or a maintenance service delivery mode.

Claim 25 (New) The method as recited in Claim 21 wherein said request includes an indication of said service delivery mode, and wherein said associating includes employing said indication to associate said service delivery mode with said data service.

Claim 26 (New) The method as recited in Claim 21 wherein said associating includes obtaining said service delivery mode from a database based on an identity of said originating station.

Claim 27 (New) The method as recited in Claim 21 wherein said associating includes determining said service delivery mode based on said intended receiving station or said originating station.

Appl. No.: 10/767,451
Amdt. dated 17 May 2004

Claim 28 (New) The method as recited in Claim 21 further comprising:
obtaining service interaction indicia associated with said intended receiving station; and
wherein said routing further includes routing said data service based on said service interaction indicia and said service delivery mode.

Claim 29 (New) The method as recited in Claim 28 wherein said service interaction indicia is selected from the group consisting of:
a call-forwarding-busy,
a call-forwarding-default,
a call-forwarding-no answer,
a call-forwarding-unconditional, and
a do-not-disturb.

Claim 30 (New) The method as recited in Claim 21 wherein said routing further includes:
obtaining service interaction indicia associated with said intended receiving station, generating an acceptance request to said intended receiving station, and routing based on a response to said acceptance request and said service interaction indicia, if said service delivery mode is a foreground service delivery mode.

Appl. No.: 10/767,451
Amtd. dated 17 May 2004

Claim 31 (New) The method as recited in Claim 30 wherein said terminating endpoint is said intended receiving station if said response indicates acceptance of said data service.

Claim 32 (New) A method of initiating a data service from a originating station in a communication system, said method comprising:
generating a data service request, wherein said request includes an indication of a service delivery mode associated with said data service.

Claim 33 (New) The method as recited in Claim 32 wherein said service delivery mode is one selected from the group consisting of:
a background service delivery mode,
a foreground service delivery mode,
a maintenance service delivery mode, and
a diagnostic service delivery mode.

Claim 34 (New) A method of receiving a data service at a receiving station in a communication system, said method comprising:
receiving an indication of delivery of said data service,
wherein said indication includes a service delivery mode;
receiving said data service from said communication system; and

Appl. No.: 10/767,451
Amdt. dated 17 May 2004

processing said data service based on said service delivery mode.

Claim 35 (New) The method as recited in Claim 34 wherein said service delivery mode is selected from the group consisting of a background service delivery mode, a maintenance service delivery mode, a diagnostic service delivery mode, and a foreground service delivery mode.

Claim 36 (New) The method as recited in Claim 34 wherein said processing includes not alerting the user of the receiving station if said service delivery mode is a background service delivery mode, a maintenance service delivery mode, or a diagnostic service delivery mode.

Claim 37 (New) The method as recited in Claim 34 further comprising:
receiving instructions from said communication system regarding not alerting receiving party at said receiving station about delivery of said data service; and
wherein said processing includes processing said data service responsive to said instructions.

Appl. No.: 10/767,451
Amdt. dated 17 May 2004

Claim 38 (New) A method of receiving a data service at a receiving station in a communication system, said method comprising:

receiving an indication of delivery of said data service, wherein said indication includes a service delivery mode; and requesting a response regarding acceptance of said data service from a user of said receiving station, if said service delivery mode is a foreground service delivery mode.

Claim 39 (New) The method as recited in claim 38 wherein said requesting further includes transmitting said response to said communications system.

Claim 40 (New) The method as recited in claim 38 wherein said requesting further includes transmitting an indication of said response to said communications system.

Claim 41 (New) An apparatus for effectuating a data service in a communication system, said apparatus comprising:

a delivery mode determiner configured to associate a service delivery mode with said data service based on a request for effectuation of said data service with an intended receiving station; and

Appl. No.: 10/767,451
Amdt. dated 17 May 2004

a call delivery director, configured to conduct call set-up procedures and route said data service to a terminating endpoint based on said service delivery mode.

Claim 42 (New) The apparatus as recited in Claim 41 wherein said terminating endpoint is selected from the group consisting of:

a intended receiving station,
a terminating station, and
a store and forward location.

Claim 43 (New) The apparatus as recited in Claim 41 wherein said service delivery mode is selected from the group consisting of:

a background service delivery mode,
a diagnostic service delivery mode,
a maintenance service delivery mode, and
a foreground service delivery mode.

Claim 44 (New) The apparatus as recited in Claim 41 wherein said terminating endpoint is said intended receiving station if said service delivery mode is a background service delivery mode, a diagnostic service delivery mode, or a maintenance service delivery mode.

Appl. No.: 10/767,451
Amdt. dated 17 May 2004

Claim 45 (New) The apparatus as recited in Claim 41 wherein said request includes an indication of said service delivery mode, and wherein said delivery mode determiner is further configured to employ said indication to associate said service delivery mode with said data service.

Claim 46 (New) The apparatus as recited in Claim 41 further comprising:
a database comprising a plurality of database entries, each of said database entries contains an originating station identifier and an associated service delivery mode; and
said delivery mode determiner is further configured to obtain said associated service delivery mode from said database based on an identity of said originating station and employ said associated service delivery mode as said service delivery mode.

Claim 47 (New) The apparatus as recited in Claim 41 further comprising:
a database comprising a plurality of database entries, each of said database entries contains a receiving station identifier and associated service interaction indicia;
a service interaction indicia determiner configured to determine service interaction indicia values from said associated service interaction indicia obtained from said database based on an identity of said intended receiving station; and

Appl. No.: 10/767,451
Amdt. dated 17 May 2004

wherein said call delivery director is further configured to route said data service based on said service interaction indicia.

Claim 48 (New) The apparatus as recited in Claim 47 wherein said service interaction indicia is selected from the group consisting of:

- a call-forwarding-busy,
- a call-forwarding-default,
- a call-forwarding-no answer,
- a call-forwarding-unconditional, and
- a do-not-disturb.

Claim 49 (New) The apparatus as recited in Claim 41 further comprising:
a database comprising a plurality of database entries, each of said database entries contains a receiving station identifier and associated service interaction indicia;
a service interaction indicia determiner configured to determine service interaction indicia values from said associated service interaction indicia obtained from said database based on an identity of said intended receiving station; and

wherein said call delivery director is further configured to generate an acceptance request to said intended receiving station and to route said data service based on said service interaction

Appl. No.: 10/767,451
Amdt. dated 17 May 2004

indicia and a response to said acceptance request, if said service delivery mode is a foreground service delivery mode.

Claim 50 (New) The apparatus as recited in **Claim 49** wherein said terminating endpoint is said intended receiving station if said response indicates acceptance of said data service.

Claim 51 (New) A apparatus to originate a data service in a communication system, said apparatus comprising:

 a processor configured to generate a data service request, wherein said data service request includes an indication of a service delivery mode associated with said data service; and
 a transmitter configured to transmit said data service request.

Claim 52 (New) The apparatus as recited in **Claim 51** wherein said service delivery mode is one selected from the group consisting of:

 a background service delivery mode,
 a foreground service delivery mode,
 a maintenance service delivery mode, and
 a diagnostic service delivery mode.

Appl. No.: 10/767,451
Amdt. dated 17 May 2004

Claim 53 (New) A apparatus for receiving and processing a data service in a communication system, said apparatus comprising:

 a receiver configured to receive an indication of a delivery of said data service, wherein said indication includes a service delivery mode, and to receive said data service from said communication system; and

 a processor configured to process said data service based on said service delivery mode.

Claim 54 (New) The apparatus as recited in Claim 53 wherein said service delivery mode is selected from the group consisting of a background service delivery mode, a maintenance service delivery mode, a diagnostic service delivery mode, and a foreground service delivery mode.

Claim 55 (New) The apparatus as recited in Claim 53 wherein said processor is further configured to not alert a user of said apparatus if said service delivery mode is a background service delivery mode, a maintenance service delivery mode, or a diagnostic service delivery mode.

Claim 56 (New) The apparatus as recited in Claim 53:

 wherein said receiver is further configured to receive instructions from said communication system regarding not

AppL No.: 10/767,451
Amdt. dated 17 May 2004

alerting a user of said apparatus about delivery of said data service;

wherein said processor is further configured to process said instructions; and

said apparatus further comprises a user-interface configured to provide data service information to and receive data service information from a user of said apparatus.

Claim 57 (New) A data service apparatus in a communication system, said apparatus comprising:

a receiver configured to receive an indication of a delivery of a data service, wherein said indication includes a service delivery mode; and

a user-interface configured to alert a user of said apparatus upon receipt of said indication, and wherein said user-interface is further configured to receive a response to said alert from said user.

Claim 58 (New) The apparatus as recited in claim 57 further comprising:

a transmitter configured to transmit said response to said communications system.

Appl. No.: 10/767,451
Amdt. dated 17 May 2004

Claim 59 (New) The apparatus as recited in claim 57 further comprising:

a transmitter configured to transmit an indication of said response to said communications system.